Title (en)

METHOD OF DETERMINING PAINTING REQUIREMENTS FOR A DAMAGE VEHICLE

Title (de)

VERFAHREN ZUR BESTIMMUNG VON LACKIERERFORDERNISSEN FÜR EIN BESCHÄDIGTES FAHRZEUG

Title (fr)

PROCÉDÉ DE DÉTERMINATION DES BESOINS EN PEINTURE POUR UN VÉHICULE ENDOMMAGÉ

Publication

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Application

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Abstract (en)

[origin: WO2021136937A1] The present invention relates to the determination of damage to portions of a vehicle. More particularly, the present invention relates to determining whether each part of a vehicle should be classified as damaged or undamaged and optionally the severity of the damage to each part of the damaged vehicle including preserving the quality of the input images of the damage to the vehicle. Aspects and/or embodiments seek to provide a computer-implemented method for determining damage states of each part of a damaged vehicle, indicating whether each part of the vehicle is damaged or undamaged and optionally the severity of the damage to each part of the damaged vehicle, using images of the damage to the vehicle and trained models to assess the damage indicated in the images of the damaged vehicle, including preserving the quality and/or resolution of the images of the damaged vehicle.

IPC 8 full level

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CPC (source: EP US)

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GB 2021050006 W 20210104; AU 2021204866 A 20210104; AU 2021204872 A 20210104; AU 2021204966 A 20210104; CA 3163620 A 20210104; CA 3163621 A 20210104; CA 3163622 A 20210104; CN 202180018726 A 20210104; CN 202180018727 A 20210104; CN 202180018728 A 20210104; EP 21704880 A 20210104; EP 21704883 A 20210104; EP 21704884 A 20210104; GB 2021050005 W 20210104; GB 2021050007 W 20210104; GB 2021050008 W 20210104; GB 2021050009 W 20210104; GB 2021050010 W 20210104; GB 2021050011 W 20210104; GB 2021050012 W 20210104; GB 2021050013 W 20210104; GB 2021050014 W 20210104; GB 2021050015 W 20210104; GB 2021050016 W 20210104; JP 2022540989 A 20210104; JP 2022540990 A 20210104; JP 2022540991 A 20210104; US 202117301408 A 20210401; US 202117303057 A 20210519; US 202117303064 A 20210519;

US 202117303069 A 20210519; US 202117303073 A 20210519; US 202117303076 A 20210519; US 202117303105 A 20210520; US 202117303106 A 20210520; US 202117303109 A 20210520; US 202117303110 A 20210520; US 202217649601 A 20220201; US 202217650772 A 20220211; US 202217651686 A 20220218; US 202217806620 A 20220613